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Attorney Docket No. 254-094-CIP-5 AK Matter No.: 146859



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Low Profile Chip Scale Stacking System and Method

Application No.:

10/631,886

Filing Date:

July 11, 2003

Inventor:

James W. Cady, et al.

Assignee:

Staktek Group L.P.

Examiner:

TBA

Art Unit:

2841

INFORMATION DISCLOSURE STATEMENT

Mail Stop - Amendment Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Pursuant to the guidelines for Information Disclosure Statements, 37 C.F.R. §§ 1.97-1.98, attached hereto are Forms PTO/SB/08A and PTO/SB/08B (12 sheets) with references listed for consideration by the Office.

Pursuant to Official Gazette Notice No. 14, dated August 5, 2003, copies of the listed written U.S. references are not enclosed. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of the listed written foreign references and publications are being provided.

In accordance with 37 C.F.R. §§ 1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b) or prior art under 35 U.S.C. §§ 102 or 103.

The examiner should also be aware of the following co-pending applications:

App. Ser. No. 10/136,890 filed 5/02/02

App. Ser. No. 10/400,309 filed 3/27/03

Attorney Docket No. 254-094-CIP-5 AK Matter No.: 146859

App. Ser. No. 10/435,192 filed 5/09/03

App. Ser. No. 10/453,398 filed 6/03/03

App. Ser. No. 10/457,608 filed 6/09/03

App. Ser. No. 10/624,097 filed 7/21/03

App. Ser. No. 10/709,732 filed 5/25/04

App. Ser. No. 10/804,452 filed 3/19/04

App. Ser. No. 10/814,530 filed 3/31/04

App. Ser. No. 10/814,532 filed 3/31/04

App. Ser. No. 10/828,495 filed 4/20/04

App. Ser. No. 10/836,855 filed 4/30/04

App. Ser. No. 10/845,029 filed 5/13/04

App. Ser. No. 10/872,897 filed 6/21/04

App. Ser. No. 10/873,847 filed 6/22/04

App. Ser. No. 10/913,220 filed 8/06/04

App. Ser. No. 10/914,483 filed 8/09/04

App. Ser. No. 10/917,216 filed 8/12/04

App. Ser. No. 10/931,828 filed 9/01/04

App. Ser. No. 10/940,074 filed 9/14/04

App. Ser. No. 10/956,442 filed 10/01/04

App. Ser. No. 10/958,584 filed 10/05/04

App. Ser. No. 10/958,924 filed 10/05/04

App. Ser. No. 10/958,934 filed 10/05/04

App. Ser. No. 10/963,867 filed 10/12/04

App. Ser. No. 10/978,149 filed 10/29/04

App. Ser. No. 11/003,168 filed 12/03/04

Attorney Docket No. 254-094-CIP-5

AK Matter No.: 146859

App. Ser. No. 11/011,469 filed 12/14/04

App. Ser. No. 11/015,521 filed 12/17/04

App. Ser. No. 11/039,615 filed 1/20/05

App. Ser. No. 11/040,564 filed 1/21/05

App. Ser. No. 11/051,815 filed 2/04/05

App. Ser. No. 11/074,026 filed 3/04/05

App. Ser. No. 11/116,981 filed 4/28/05

App. Ser. No. 11/131,812 filed 5/18/05

App. Ser. No. 11/173,445 filed 7/01/05

App. Ser. No. 11/175,562 filed 7/05/05

This Information Disclosure Statement is being filed before receipt of the first Office Action, so no fee is believed to be due. The Commissioner is hereby authorized to charge any other fees which may be required in connection with the filing, or to credit any overpayment to Deposit Account No. 50-3534, upon which account the undersigned has the authority to sign. A duplicate copy of Forms PTO/SB/08A and PTO/SB/08B are enclosed.

Respectfully submitted,

ANDREWS KURTH LLP

By:

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
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Substitute 10 to 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 8

Con	nplete if Known
Application Number	10/631,886
Filing Date	July 11, 2003
First Named Inventor	James W. Cady, et al.
Art Unit	2841
Examiner Name	TBA
Attorney Docket Number	254-094-CIP5/AK 146859

100			U.S.PATE	NT DOCUMENTS	
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-6,919,626 B2	7/19/2005	Burns	
		US-6,914,324 B2	7/5/2005	Rapport, et al.	
		US-6,908,792 B2	6/21/2005	Bruce, et al.	
		US-6,884,653	4/26/2005	Larson	
		US-6,803,651	10/12/2004	Chiang	
		US-6,709,893	3/23/2004	Moden, et al.	
		US-6,699,730 B2	3/2/2004	Kim, et al.	
		US-6,690,584	2/10/2004	Uzuka, et al.	
	· ·	US-6,683,377	1/27/2004	Shim, et al.	
		US-6,677,670 B2	1/13/2004	Kondo	
		US-6,614,664	9/2/2003	Lee	
		US-6,588,095	7/8/2003	Pan	
		US-6,576,992	6/10/2003	Cady, et al.	
		US-6,552,910 B1	4/22/2003	Moon, et al.	
		US-6,528,870 B2	3/4/2003	Fukatsu, et al.	
		US-6,509,639	1/21/2003	Lin	
		US-6,489,687 B1	12/3/2002	Hashimoto	
		US-6,489,178	12/3/2002	Coyle, et al.	
	·	US-6,444,490	9/3/2002	Bertin, et al.	
		US-6,426,560 B1	7/30/2002	Kawamura, et al.	

Examiner Initials*	Cite	Foreign Patent Document Country Code ³ –Number ⁴ –Kind Code ^{5 (if known)}	MM-DD-YYYY Applic	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
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254-094-CIP5/AK 146859

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Complete if Known Substitute for form 1449/PTO Application Number 10/631,886 Filing Date July 11, 2003 INFORMATION DISCLOSURE First Named Inventor James W. Cady, et al. STATEMENT BY APPLICANT 2841 Art Unit (Use as many sheets as necessary) **Examiner Name** TBA Attorney Docket Number

	415		U.S.PATE	NT DOCUMENTS	
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*		Number-Kind Code ^{2 (if known)}	WIWI-DD-1111	Applicant of Cited Document	Figures Appear
		US-6,376,769 B1	4/23/2002	Chung	
		US-6,329,708	12/11/2001	Komiyama	
		US-6,316,825	11/13/2001	Park, et al.	
		US-6,310,392	10/30/2001	Burns	
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		US-6,187,652 B1	2/13/2001	Chou, et al.	
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		US-6,002,167	12/14/1999	Hatano, et al.	
		US-5,973,395	10/26/1999	Suzuki, et al.	
		US-5,963,427	10/5/1999	Bolleson	
		US-5,922,061	7/13/1999	Robinson	
		US-5,917,709	6/29/1999	Johnson, et al.	
		US-5,895,970	4/20/1999	Miyoshi, et al.	
		US-5,841,721	11/24/1998	Kwon, et al.	

Examiner	Cite	Cite Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
Initials*	No. ¹	Country Code ³ –Number ⁴ –Kind Code ^{5 (if known)}	MM-DD-YYYY	Applicant of Cited Document		
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Examiner				Date		

FOREIGN PATENT DOCUMENTS

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Sheet 2

of

8

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Applicant's unique citation designation number (optional).

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Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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) s	ubstitute for form	1449/P1O		Application Number	10/631,886
l n	NEORM	ATION	DISCLOSURE	Filing Date	July 11, 2003
				First Named Inventor	James W. Cady, et al.
`	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Art Unit	2841	
	(Use a	s many she	eets as necessary)	Examiner Name	TBA
Sheet	3	of	8	Attorney Docket Number	254-094-CIP5/AK 146859

	Cite	Document Number		NT DOCUMENTS	Pages, Columns, Lines, Where
Examiner Initials*	No.1	Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-5,804,870	9/8/1998	Burns	
		US-5,801,439	9/1/1998	Fujisawa, et al.	
		US-5,789,815	8/4/1998	Tessier, et al.	
		US-5,783,464	7/21/1998	Burns	
-		US-5,764,497	6/9/1998	Mizumo, et al.	
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		US-5,523,695	6/4/1996	Lin	
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		US-5,252,857	10/12/1993	Kane, et al.	

Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	⊤ 6
	No.1	Country Code ³ –Number ⁴ –Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document		
						
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Signature		Considered	
* EXAMINER: Initial if reference considered	whether or not citation is in conformance with MPEP	609. Draw line through	h citation if not in conformance and no

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Considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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	1.1	A METERS	U.S. PATE	NT DOCUMENTS	"我们有关的现在分词 "
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	110.	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
		US-5,252,855	10/12/1993	Ogawa, et al.	
	<u> </u>	US-5,229,916	7/20/1993	Frankeny, et al.	
		US-5,214,307	5/25/1993	Davis	
		US-5,198,965	3/30/1993	Curtis, et al.	
		US-5,168,926	12/8/1992	Watson, et al.	
		US-5,159,535	10/27/1992	Desai, et al.	
	,	US-5,138,434	8/11/1992	Wood, et al.	
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		US-5,057,903	10/15/1991	Olla	
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		US-4,712,129	12/8/1987	Orcutt	
		US-4,587,596	5/6/1986	Bunnell	
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		US-2004/0115866 A1	6/17/2004	Bang, et al.	
		US-2004/0099938 A1	5/27/2004	Kang, et al.	
		US-2004/0065963 A1	4/8/2004	Karnezos	
		US-2004/0021211 A1	2/5/2004	Damberg	
		US-2004/0000708 A1	1/1/2004	Rapport, et al.	
		US-2003/0168725 A1	9/11/2003	Warner, et al.	
		US-2003/0109078 A1	6/12/2003	Takahashi, et al.	

Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ –Number ⁴ –Kind Code ^{5 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ°
				Applicant of Cited Document		
					(6.1)	Ĺ

Examiner Signature	Date Considered	

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Complete if Known Substitute for form 1449/PTO Application Number 10/631,886 Filing Date July 11, 2003 INFORMATION DISCLOSURE First Named Inventor James W. Cady, et al. STATEMENT BY APPLICANT Art Unit 2841 (Use as many sheets as necessary) **Examiner Name** TBA Attorney Docket Number 254-094-CIP5/AK 146859 Sheet | 5 of 8

	Cite	Document Number			Pages, Columns, Lines, Where
Examiner Initials*	No.1	Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-2003/0081392	5/1/2003	Cady, et al.	
		US-2003/0045025	3/6/2003	Coyle, et al.	
		US-2003/0016710	1/23/2003	Kamoto	
		US-2002/0076919	6/20/2002	Peters, et al.	
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		US-2001/0015487	8/23/2001	Forthun	
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		US-6,849,949	2/1/2005	Lyu, et al.	
		US-6,833,984 B1	12/21/2004	Belgacem	
		US-6,812,567	11/2/2004	Kim, et al.	
		US-6,781,240	8/24/2004	Choi, et al.	
		US-6,768,660	7/27/2004	Kong, et al.	
		US-6,660,561 B2	12/9/2003	Forthun	
		US-6,657,134	12/2/2003	Spielberger, et al.	
		US-6,627,984 B2	9/30/2003	Bruce, et al.	

	FOREIGN PATENT DOCUMENTS							
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Examiner	Date	
Signature	Considered	

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Substitute for form 1449/PTO				Complete if Known			
Substitute for form 1449/PTO				Application Number	10/631,886		
1	NEORMA	MOITA	DISCLOSURE	Filing Date	July 11, 2003		
1				First Named Inventor	James W. Cady, et al.		
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	(Use as	many shee	ets as necessary)	Examiner Name	TBA		
Sheet	6	of	8	Attorney Docket Number	254-094-CIP5/AK 146859		

U. S. PATENT DOCUMENTS						
Examiner	Cite	No.1	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant	
Initials*		Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Figures Appear	
		US-6,452,826	9/17/2002	Kim, et al.		
		US-6,449,159	9/10/2002	Haba		
		US-6,313,998	11/6/2001	Kledzik		
		US-6,303,981	10/16/2001	Moden		
		US-5,925,934	7/20/1999	Lim		
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30	idstitute for form 14	49/110		Application Number	10/631,886	
13	VEORMA.	TION	DISCLOSURE	Filing Date	July 11, 2003	
				First Named Inventor	James W. Cady, et al.	
S	IAIEME	NIR	Y APPLICANT	Art Unit	2841	
	(Use as n	nany shee	ts as necessary)	Examiner Name	TBA	
Sheet	8	of	8	Attorney Docket Number	254-094-CIP5/AK 146859	

71	P. 17	4、"我们的是一个大学的。"	U.S. PATE	NT DOCUMENTS	常数
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
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July 11, 2003

James W. Cady, et al.

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Application Number

First Named Inventor

Filing Date

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4			U.S. PATEN	T DOCUMENTS	ALMOST AND CONTRACTORS AND CON
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
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8	Substitute for form 1449/PTO	Application Number	10/631,886		
11	NFORM.	ATION	DISCLOSURE	Filing Date	July 11, 2003
				First Named Inventor	James W. Cady, et al.
,			BY APPLICANT	Art Unit	2841
	(Use as many sheets as necessary)		Examiner Name	ТВА	
Sheet	2	of	3	Attorney Docket Number	254-094-CIP5 / AK 146859

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Sheet 1 of 1

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Application Number	10/631,886				
Filing Date	July 11, 2003				
First Named Inventor	James W. Cady, et al.				
Art Unit	2841				
Examiner Name	TBA				
Attorney Docket Number	254-094-CIP5 / AK 146859				

	NON PATENT LITERATURE DOCUMENTS	
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	Cite	Cite No.¹ Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Tessera uZ Ball Stack Package. 4 figures that purport to be directed to the uZ - Ball Stacked Memory, Published on the Internet. Ron Bauer, Intel. "Stacked-CSP Delivers Flexibility, Reliability, and Space-Saving Capabilities", Volume 3, Spring 2002. Published on the Internet. 1992 Proceedings, 42nd Electronic Components & Technology Conference, May 18-20, 1992 Research Disclosure, Organic Card Device Carrier, 31318, May 1990, No. 313 IBM Technical Disclosure Bulletin, Vol. 23, No. 12, May 1981 IBM Technical Disclosure Bulletin, Vol. 20, No. 11A, Apr. 1978 IBM Technical Disclosure Bulletin, vol. 32, No. 3B, Aug. 1989 Orthogonal Chip Mount - A 3D Hybrid Wafer Scale Integration Technology, International Electron Device

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ı	Signature		Considered	

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